

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of claims:

1-10 Cancelled

11. (Currently Amended) Control system for remote manipulation equipment (41) fixed on carrying equipment (43) operating in a confinement containment (40) and subjected to radioactive radiation comprising:

- "onboard" control means located inside the containment (40) designed to control movements of the ~~said~~ manipulation and carrying equipment (41, 43) ; and
- management means (42) located outside the containment (40) providing the interface between the operator and the control means,
characterized in that:
 - the control means comprise firstly a control box (20) impermeable to radiation and comprising electronic circuit boards, and secondly a power supply box (1) impermeable to radiation and comprising at least one energy supply source, and
 - management means (42) comprise a communication device to transmit orders to onboard control means and to receive data about the state of the ~~said~~ control means and the state of remote manipulation and carrying equipment (41, 43).

12. (Previously presented) Control system according to claim 11, characterized in that the power supply box (1) comprises two power supply sources operating redundantly.

13. (Currently amended) Control system according to claim 11, characterized in that the electronic circuit boards comprise several microprocessors operating alternately and processing circuits providing functional control over ~~this microprocessor~~ the microprocessors.

14. (Currently amended) Control system according to claim 11, characterized in that [[it]] the control system is self-configurable to match the manipulation equipment (41) and the carrying equipment (43).

15. (Previously presented) System according to claim 11, characterized in that the control means (42) comprise circuits for processing status data received from the control means to diagnose failures and operating errors of the equipment (41, 43) and the control means.

16. (Currently amended) System according to claim 11, characterized in that the control means are each provided with a base (19, 30), larger than the power supply box (1) and the control box (20), fixed permanently on each equipment to be controlled and each being provided with:

- means of attachment to a control box (20) or a power supply box (1) onto the base
- internal connection means to make electrical and/or electronic connections between the box and the base on which [[it]] the box is fixed; and
- external connection means for making external electrical and/or electronic connections between the equipment (41, 43) to be controlled and the base (30).

17. (Previously presented) System according to claim 16, characterized in that the power supply boxes (1) and the control boxes (20) are provided with locking means (10, 12, 21, 23) on their corresponding bases (19, 30, 44), that can be manoeuvred from outside these power supply boxes (1) and control boxes (20).

18. (Previously presented) System according to claim 16, characterized in that a lead base plate (31) is placed under the base (30) of each control box (20).

19. (Previously presented) System according to claim 16, characterized in that the power supply boxes (1) and the control boxes (20) each comprise a stainless steel housing closed by a Plexiglas cover (6, 27).

20. (Currently amended) System according to claim 19, characterized in that [[it]] the control system comprises gaskets (8, 26) to be used for assembly of the Plexiglas covers (6, 27).

21. (New) System according to claim 12, wherein the at least one energy supply source contains all of the power supply sources used for transmission of information to the management means.

22. (New) System according to claim 11, wherein the control box (20) and the power supply box (1) are each configured to be removably attached to the carrying equipment (43),

wherein the carrying equipment (43) is configured to support the control box (20) and the power supply box (1) when the control box (20) and power supply box (1) are attached to the carrying equipment (43).

23. (New) Control system for remote manipulation equipment (41) fixed on carrying equipment (43) operating in a confinement containment (40) and subjected to radioactive radiation comprising:

- "onboard" control means located inside the containment (40) designed to control movements of the manipulation and carrying equipment (41, 43); and
 - management means (42) located outside the containment (40) providing the interface between the operator and the control means,
- characterized in that:
- the control means comprise firstly a control box (20) impermeable to radiation and comprising electronic circuit boards with several microprocessors operating alternately, and secondly a power supply box (1) impermeable to radiation and comprising at least one energy supply source comprising two power supply sources operating redundantly, and
 - management means (42) comprise a communication device to transmit orders to onboard control means and to receive data about the state of the control means and the state of remote manipulation and carrying equipment (41, 43).

24. (New) System according to claim 23, wherein the at least one energy supply

source contains all of the power supply sources used for transmission of information to the management means.

25. (New) System according to claim 23, wherein the control box (20) and the power supply box (1) are each configured to be removably attached to the carrying equipment (43), wherein the carrying equipment (43) is configured to support the control box (20) and the power supply box (1) when the control box (20) and power supply box (1) are attached to the carrying equipment (43).